1	WT GGTT I NYTOYG	309.1	Indefinite length article
1	MISCELLANEOUS	309.2	Plurality of discrete
1.51	ELECTROSTATIC CLEANING	307.2	articles
1.52	.Hand implement	310	Manual application of work to
1.7	SUBMERGED CLEANERS WITH AMBIENT	310	cleaning means
	FLOW GUIDES	311	3
3	MACHINES	311	With moving work-agitating
3.1	.For fruit, vegetables, meat or	210 1	means
	eggs	312.1	With fixed guide for ambulant
3.11	With assorting or screening	0100	air draft applying means
3.12	Fluid application and/or work	312.2	Flexible tube
	heating (e.g., drying)	313	Installed in automobile or
3.13	Work moved through apparatus		other vehicle for the cleaning
3.14	Liquid application only		thereof
3.15	Work treating element and/or	314	With flexible conduit
3.13	work immersed		connection between ambulant
3.16	Work moved through apparatus		air draft applying means and
3.17	Transverse axis work treating		relatively stationary air pump
3.17	elements		or supply
2 10		315	Extensible and retractable
3.18	Longitudinally movable		conduit
2 10	elements	316.1	Air blast only (e.g., boiler
3.19	Fixed axis rotary work		soot-blower)
	treating conveyor	317	With blowing element housing
3.2	Axial work feed		or protecting feature, e.g.,
3.21	Work conveyor mounted work		embedded, disappearing or
	treating elements		cooling
3.5	.With means to pass a solid	318	Moving nozzle with air supply
	cleaning agent and a fluid		control interlocked with
	carrier through tubular work		nozzle motion means
3.51	With conservation or recovery	318.1	Sequence control
	of the cleaning agent	319	With automatic control
3.52	By attached line	320	With liquid or other cleaning
3.53	.Erasing	320	material application to work
300.1	.With air blast or suction	321	Manipulatable nozzle with
301	Fixed position cleaners or	321	flexible conduit connection to
	installed cleaning systems		
302	With liquid or other cleaning		portable power and/or material
	material application to work		supply unit, e.g., window
303	With work handling or	200	washer
303	supporting	322	Nozzles
304	Hollow work internal	323	With storage facilities for
301	cleaning, e.g., bag and/or		tools or nozzles, conduits,
	bottle cleaners		etc., e.g., racks and cabinets
305	Tumbling cylinders or cages	324	Illuminator for work area
305		325	With fender or bumper, i.e.,
300.1	With means to guide or move		furniture guard
	the work to or through a	326	With sound muffling feature
	cleaning station or treating	327.1	Tank type cleaner organization
207	means	327.2	Casing feature
307	With work-width compensating	327.3	Air float or support
200	features	327.4	Cleaner encircling roller
308	With work agitator, e.g.,	327.5	Off-the-floor support (e.g.,
202	brushing, beating, shaking		operator supported)
309	Plural diverse types, e.g.,	327.6	Vertically aligned motor and
	beating and brushing		filter

327.7	Horizontally aligned motor and	352	Separator element cleaning in
	filter		situ and/or storage or removal
328	Convertible	252	of retained dirt
329	To or from hand held and hand manipulated	353	With liquid and/or deflection type separator
330	Suction to or from blast	354	With work-contacting carriage
331	Plural selective air draft		or mount, and relatively
	means, e.g., on-floor to off-		adjustable nozzle
	floor	355	With agitator adjustable
332	With agitator and/or fan		relative to nozzle
	interlock, e.g., floor or rug	356	Interlocked or simultaneous
	safety feature		adjustment
333	Floor nozzle elevating	357	Suction responsive
334	Floor nozzle air flow	358	With work surface contact or
331	diverted to off-floor cleaning	330	penetration sensing
	means	359	Biased or floating nozzle
335		360	Urged away from contact with
333	Tubular handle, e.g., "Air- Way" type	300	work
336	With supporting means,	361	Handle operated or handle
	e.g., wall-mounted clamp		associated control
337	By insertion or attachment	362	With nozzle carriage or mount
	of additive converter		having work-surface
338	Converter attached to floor		penetration control, e.g.,
	nozzle mouth		differential area supporting
339	Combined, e.g., with signal or		wheels
	indicator	363	With mechanical agitating means
340.1	Power propelled vehicle or	364	Diverse agitating operations,
	carrier		e.g., brushing with beating or
340.2	Maneuvered by walking		movable with stationary
	attendant	365	Selective
340.3	Including brush	366	Rotary only, e.g., "Hoover"
340.4	Plural brushes		type beating brush
341	Traction or manual operation of	367	Stationary or non-moving
312	air pump or fan		agitating means only
342	Rotary air impeller	368	Adjustable with respect to
343	Hand cranked		nozzle
344	Hand supported and manipulated,	369	Responsive to translational
011	e.g., miniature or upholstery		movement of nozzles
	type	370	Rotary agitator with radially
345	Air blast with suction		adjustable elements, e.g.,
346	Closed circuit systems, i.e.,		wear compensating
310	air recirculating	371	Floating or resiliently
347	With dust or dirt handling or		biased contact with work
317	storing or separating, e.g.,		surface
	filter bags	372	Rotary work contactor
348	With conveying means	373	Retractable, i.e., selective
310	additional to air stream		use
349	With receiver for dirt from	374	Oblique or V-shaped
313	rotary or moving agitator		arrangement of agitator
350	Separator mounted on or	375	With auxiliary ambient air
330	attached to manipulating		inlet to nozzle, e.g., through
	handle, e.g., push broom type		air tunnel and/or agitator
351	Handle movable relative to	376	Agitator bearing or drive air
J J 1	floor tool air exhaust conduit		bleed
	11301 COOL WIL CAMBURDE COMMUNIC		

377	Auxiliary or separate, i.e.,	407	Work operated valve
	non-fan, driving motor	408	With induced flow of ambient
378	With guard to inhibit work		air, e.g., jet pump
370	entry into nozzle mouth	409	Jet pump suction-devices
270			
379	Vibrating nozzle or nozzle	410	Handle features, e.g., limit
	lips		stops or storage locks
380	Rectilinearly moving parallel	411	Angular or lateral adjustment
	to work surface, e.g.,		of cleaner by axial rotation
	scrubbing		of handle
381	Oscillating agitator, e.g.,	412	Motor features, e.g., housing
332	sweeping	112	or casing assemblies
200		410	3
382	Striking beater, i.e.,	413	Air cooling by other than main
	perpendicular movement		air stream
383	Rotary agitator	414	Detachable and/or extension
384	Tandem agitator units		nozzles
385	Axis non-parallel to work	415.1	Nozzle
	surface	416	With plural mouths selectively
386	With eccentrically mounted		usable, e.g., "duplex" nozzles
300	turnable work contacting	417	Top and bottom reversible
	_	41/	-
0.00	elements		type
387	Air current operated	418	With area adjusting, e.g.,
388	Traction operated		restrictors
389	Drive details	419	With air flow control means,
390	With clutch or other drive		e.g., work-operated valve
	disconnect	420	With notched or grooved lips
391	Belt or drive housings or		for localized intensification
371	other protective features		of air draft
202		421	
392	Agitator bearings or	421	With auxiliary inlet for
	supporting details		ambient air, e.g., vacuum
393	Stationary agitator		relief
394	Work piece surrounding or	422	With guard to inhibit work
	opposed agitators, e.g., bar		entry into nozzle mouth
	or slat cleaners	422.1	Width changes along transverse
395	For opposed surfaces or		dimension
	hollow work internal cleaning	422.2	Plural fans
396	Hollow head with perforate	4	.Combined
370		5	Beater and brush
	reticulate supporting surface	_	
	for agitator	21.1	.Brushing
397	With tubular air nozzles	21.2	Ball cleaner
	interspersed throughout work	22.1	Handle mount
	contacting surface	22.2	Reciprocating tool
398	Bristle brush type	22.3	Belt brush
399	With bristle bridle or air	22.4	Swinging tool
	seal or shroud	23	Rotary cylinder
400	Nozzle attachment type	24	Fountain
401	Scraper or squeegee type		
		25	Manual motor
402	Serrated or toothed, e.g.,	26	Alternating
	comb or rake type	27	Traction operated
403	Dry mop type, e.g., textile	28	Rotary disk
	strand or sheet pelt	29	Fountain
404	With pulsating air flow	30	Boot cleaning, blacking, and
405	Air blast only		polishing
406	For hollow work, internal	31	
	cleaning, e.g., tube soot-		Polish supplying
	blowers	32	Rotary reciprocating brush
	DIOMETS	33	Reciprocating brush

104.066 ...Brush or broom flue cleaner

.. Sheet, bar, and plate cleaners

77

104 067	Consumered and have a travel manufacture	115	Mars
104.067	Suspended by a taut member		Mop
	(e.g., wire, rope, chain,	116.1	Mop and wringer
104 069	etc.)	116.2	Sponge mop
	Scraper flue cleaner	117	Brush and squeegee
104.069	Suspended by a taut member	118	Wiper
	(e.g., wire, rope, chain,	119.1	Mop and wringer
104 07	etc.)	119.2	Sponge mop
104.07	Hammer	120.1	Twister
104.08	Tube deformer	120.2	Assisted by modified handle
104.09	Rotary tool	121	Squeegee
	Power source outside tube end	423	.Pen cleaner
	Container cleaner	424	.Eraser
	Inside boiler drum	425	Including handling means
104.12	Contiguous fluid motor	426	And means for non-use
104.13	Plural rotary cutter		attachment to a support
104.14	Centrifugally pivoted	427	Which is pencil sheath or
	Reciprocating tool		casing
104.15	Plural rotary cutter	428	Eraser attachable to fore-end
104.16	Scraper, cutter, wiper or		of sheath or casing
	brush	429	Including advancing means for
104.165	Non-piercing fabric holder		erasive body
104.17	Expanding at both ends	430	Axially adjustable sleeve
104.18	Expanding at one end	431	Including enclosure for base
104.19	Expanding between ends		of erasive body
104.2	Radial bristle	432	Multi-partite handling means
104.31	Sewer	433	Including advancing means for
104.32	Grapple		erasive body
104.33	Snake	434	Directly adjustable erasive
104.5	.Comb cleaners		body
104.51	Multiple strand type	435	.Penpoint or penholder
104.52	With rigid supporting frame	436	Including projectable and
104.53	With attached brush		retractable penpoint
104.54	Non-planar groups of strands	437	With means supporting or
104.8	.With coacting material receiver		stabilizing implement in use
104.9	.Machine-attachable bottle	438	Including manually adjustable
101.5	washing implement	100	gripping or releasing means
104.92	.Stationary implement with		for penpoint
101.52	material supply	439	Pivoted or arcuately movable
104.93	.Tool coated or impregnated with	440	About axis of penholder
101.55	material supply	441	Including opposed, relatively
104.94	Including means for manual	111	axially movable gripping
104.94	manipulation of implement		members
105	.Combined	442	And ejector
		443	Penholder shaped to receive or
105.5	Mortar-joint finisher	443	engage hand or finger
105.51	Eraser	444	Penholder includes specific
105.52	And brush	111	penpoint retaining means
105.53	And cutter	445	
106	Brush	445	Specific penpoint
107	Dauber and polisher		Specific material
110	Brush and massage-tool	447	Bifurcate
111	Brush and scraper	141.1	Beater
112	Boot cleaners	141.2	Rotary
113	Hand	142	.Grids and combs
114	Brush and wiper	143.1	.Particular Handle

144.1	Adjustable	190	Tuft fasteners
144.2	Universally	191.1	Tuft socket
144.3	-	191.1	Cemented
144.3	Variable length Telescopic	192	Plastic mass
144.4	Detachable	193	
145		194	Detachable tuft
	.Holders, brush and broom		Folded tuft
147.1	.Holder, mop	196	Drawn work
147.2	Nonclamped	197	Metal bristle
148	Convertible	198	Rotary
149	Expansible	199	Retaining wire
150	Pivoted jaw	200	Metal bristle
151	Sliding jaw	201	Movable tuft section
152	Lever operated	202	Detachable
153	Screw operated	203	Folding
154	Spring wire and runner	204	With core
154.2	With shaker	205	Folded tuft
159.1	.Brush or broom	205.2	Fountain
160	Special work	206	Twisted bristle holder
161	Boot cleaners	207	Wire wound
164	Hollow-ware cleaners	207.2	Bristle configuration or
165	Collapsible		composition
166	Stripping	208	.Fabric
167.1	Tooth or nail brush	209.1	Wiper, dauber, or polisher
167.2	Concurrently brushes plural	210.1	Special work
	tooth surfaces	210.5	Graining implements
167.3	Nail brush	211	Hollow-ware cleaners
168	Bridles	212	Expansible
169	Adjustable	213	Rotary
170	Straw supported	214	Lens cleaners
171	Heads and casings	215	Mats
172	Adjustable head	216	Combined
173	Axial clamp	217	Tuft carrying
174	Bands	218	Razor cleaners
175	Braces, caps, and shields	218.1	Cutlery cleaners
176.1	Detachable head	219	Wall-paper cleaners
176.1	With handle-head cooperating	220.1	Window cleaner
170.2	threads	220.1	Magnetic
176.3	With screw-type fastener	220.2	Venetian blind cleaner
176.3	Perpendicularly insertable	220.3	
176.4		220.4	Rod or wire cleaner (e.g.,
	With securing means	221	dipstick cleaner)
176.6	With securing means	221	Collection chamber
177	Lateral clamp	222	End grip
178	Pivoted jaw	223	Work face with exposed laminae
179	Rotary	224	Channeled
180	Disk	225	Coil
181	Laminated		Laminated
182	Spiral bristle mount	226	Strands
183	Tuft-holding bar	227	Mitts, cots, and shoes
184	Housings	228	Mops and heads
185	Pivoted	229.1	Having strands
186	Individual-bristle mount	229.2	With fixed handle
187	Integral	229.3	And cloth sheath type head
188	Rubber	229.4	And pocket type head
189	Stitched and wire bound	229.5	And twisted wire frame

229.6	With pivoted handle	244.4	Sponge
229.7	And cloth sheath type head	245	
229.7		_	. Squeegee
229.0	And pocket type head	245.1 246	.Bladed spreader
	And twisted wire frame		ATTACHMENTS
229.11	Scourer (hand manipulated)	246.2	.For a vacuum cleaner
229.12	Fibrous mass (e.g., steel	246.3	With treating means (e.g.,
	wool)		deodorizing, sterilizing,
229.13	With handle or holder	0.4.54	etc.)
229.14	Powder puff	246.4	Moveable carriage
230	Rotary	246.5	.Tank cleaners
230.1	With cooling means	247	.Covers and cover holders
230.11	Roller with handle	248.1	.Drip cup or splash guard for a
230.12	Adhesively bound parts		brush or broom
230.13	Coil wound	248.2	For roller
230.14	Sectored disc or cylinder	249.1	.Brush or broom-type flue cleaner
230.15	Stitched laminates	249.2	.Scraper-type flue cleaner
230.16	Interrupted work engaging	249.3	Suspended by a taut member
	surface		(e.g., wire, rope, chain,
230.17	Fabric-piercing securing		etc.)
	element	250.001	.Optical-member-attachable
230.18	Working surface dished		cleaner (e.g., windshield
	inwardly or outwardly	050 000	wiper)
230.19	With discrete mechanical		Headlight cleaner
	fabric securing means		Mirror cleaner
231	Sheet holders		With material applying means
232	Window cleaners	250.02	Coordinated operation of
233	Tension frame	050 00	cleaner and applying means
234	.Feather	250.03	Supply source carried by
235	.Pelts	050 04	cleaning element
235.3	.Mortar-joint finisher or	250.04	Applying means moves with cleaning element
005.4	simulator	250.05	With heating means
235.4	.Mason's trowel or float	250.05	Embedded in wiper blade
235.5	Darby type	250.00	Movable with cleaning element
235.6	Undulated	250.07	
235.7	Corner type	250.00	Laterally offset to engage pane
235.8	Adjustable	250.09	Heating element between
236.01	.Scrapers	250.09	plural blades
236.02	Windshield	250 1	Window moved on cleaner
236.03	Paint roller	250.1	Readily attached and detached
236.04	Gutter	230.11	cleaner for building windows
237	Boot cleaners	250.12	Constant speed or automatic
238	Mats	250.12	motor control
239	Pivoted link	250.13	
240	Filler block	230.13	Sweep varying or regulating means
241	Wire	250.14	Plural out-of-phase cleaning
236.05	Plural bladed	250.14	elements
236.06	Simultaneously useable	250.15	Cleaning element spring
236.07	Arcuate scraping edge	200.10	returned
236.08	Toothed or serrated	250.16	With parking means
236.09	For plural surfaces	250.10	Electrical
236.1	Rotary	250.17	Convertible to manual operation
244.1	.Sponge or sponge with holder	250.18	Cleaning element moved from
244.2	Having pivoted handle	200.17	surface
244.3	Having fabric cover or back	250 201	Wind deflecting means
			acreciting means

250.202	Pressure adjusting means for cleaning element	256.51 256.52	Roll cleaners
250.203	Operated by remote control	256.53	Reciprocating or traveling
250.21	Compound motion of oscillating	256.6	Strand
	arm	257.01	ACCESSORIES
250.22	Rotating cleaning element	257.05	.Coating applicator loading means
250.23	Cleaning element moved relative	257.06	For loading roller type
	to arm when arm moves		applicators
250.24	Chain, belt or cable carried	257.07	Inkwell
	cleaning element		Including implement-actuated
250.25	Chain, belt or cable driven	20.00.2	diaphragm to produce material
	operating shaft		moving force
250.26	Screw type drive for	257.073	Including means limiting
	reciprocating cleaning element	20.00.0	immersion of penpoint
250.27	Operating connection for plural	257.074	Anti-spill type
	oscillating cleaning elements		Including implement-opened
250.28	Opposed cleaning elements	200	access means
250.29	With means to reciprocate	257 076	Including means defining
230.23	cleaning element	237.070	applicator-loading zone
250.3	With means to oscillate arm	257.1	.Debris receptacle (e.g.,
250.31	Specific coupling or mounting	237.1	dustpan)
230.31	for a driving means or between	257.2	With means to attach to brush
	a cleaning element and means	237.2	or broom
	linking it to the driving	257.3	Separate inlet and outlet
	means	257.3	Receptacle gravitatable to
250.32	Arm-to-cleaning element	237.4	material retaining position
	connection	257.5	Foothold or pedal operator
250.33	Hinged longitudinally of	257.6	With movable closure
	cleaning element	257.7	Adjustable, relatively movable
250.34	Arm-to-actuating shaft detail	257.7	or detachable handle
	Specific arm structure	257.8	
	Between hub and extended arm	237.0	Foot or prop on rear of receptacle
	Cleaning element structure	257.9	Auxiliary, flexible or
250.37	With attached roller	237.3	reinforced edge
250.38	Longitudinal tensioning means	258	.Blacking-box and brush cases
230.30	for blade	259	.Blacking-box holders
250.39	Adjustable length	260	
250.4	Supplemental cleaning means		.Mop wringers
250.1	brought into surface contact	261	Presser boards
250.41	Plural spaced surface engaging	262	Roller
250.41	edges	263	Twisters
250.43	Accommodates optical-member	264	.Scrubbing pails
230.43	having curved surface	265	.Shoe-blacking stands
250.44	Articulated support structure	266	Polisher guides
		267	Shoe clamps
	Specific backing member	268	WORK SUPPORTS
	Securing a squeegee		
∠50.453	Secured by articulated		
050 454	structure		
	Biased latching member	FOREIGN	ART COLLECTIONS
250.46	Specific joint, hinge, or		
050 45	pivot	FOR	CLASS-RELATED FOREIGN DOCUMENTS
250.47	Spring type		
250.48	Specific squeegee structure		
256.5	.Moving surface scraper, wiper,		
	or brush		

DIGESTS

DIG 1 RECHARGEABLE BATTE
DIG 1 RECHARGEABLE BATTER

- DIG 2 CAR CLEANING PLANTS
- DIG 3 MATRIX
- DIG 4 FERRULES
- DIG 5 VARIED LENGTH BRISTLE
- DIG 6 VARIED COMPOSITION BRISTLE
- DIG 7 DRIERS
- DIG 8 DUST BAGS AND SEPARATORS
- DIG 9 DUST MOP CLEANERS
- DIG 10 HANDLES, REELS AND SWITCHES
- DIG 11 INDICATORS
- DIG 12 TAPE HEAD CLEANER
- DIG 13 MAGNETIC TAPE CLEANER
- DIG 14 PHONOGRAPH RECORD CLEANER
- DIG 15 MOISTURE RESPONSIVE